

## Procedural Planning with Cardiovascular Computed Tomography: TAVR and beyond

Course Directors:

*Michael Winkler, MD, FSCCT, FICA*

*Stephen Hobbs, MD*

*Jeff Carr, MD, MSc, FSCCT*

### Friday, April 20, 2018: Post Processing Pre-Course

Begin	End	Session Topic	Speaker	Institution
4:30 PM	5:00 PM	<b>Registration</b>		
5:00 PM	5:15 PM	Data Visualization in Medical Imaging I : Introduction to Postprocessing Techniques	Mauricio Galizia, MD	Ohio State
5:15 PM	5:30 PM	Data Visualization in Medical Imaging II: Volume Rendering and Curved Planar Reformatting	Sangita Kapur, MD	University of Cincinnati
5:30 PM	5:45 PM	Data Visualization In Medical Imaging III: Segmentation and Transfer Functions	Stephen Hobbs, MD	University of Kentucky
5:45 PM	6:00 PM	<b>Break/Refreshments</b>		
6:00 PM	6:30 PM	Hands On: Intuition TeraRecon "Buttonology"	Mauricio Galizia, MD	University of Kentucky
6:30 PM	7:00 PM	Hands On: Ziosoft Buttonology	Conor Lowry, MD	University of Kentucky
7:00 PM	7:10 PM	Walk to Boone Center		
7:10 PM	9:00 PM	<b>Dinner at Boone Center</b>		

### Saturday, April 21, 2018: TAVR and Left Atrial Appendage

Begin	End	Session Topic	Speaker	Institution
8:30 AM	9:30 AM	<b>Breakfast at Keeneland Track Kitchen</b>		
9:30 AM	10:00 AM	<b>Keeneland Tour</b>		
10:00 AM	10:30 AM	<b>Registration</b>		
10:30 AM	10:45 AM	Acquisition Protocols for TAVR	Karsten Cowell, RT	University of Kentucky
10:45 AM	11:00 AM	Anatomy of the Aortic Root	Marianna Zagurovskaya, MD	University of Kentucky
11:00 AM	11:15 AM	Localization of the Annular Plane	Mauricio Galizia, MD	Ohio State
11:15 AM	11:30 AM	Hands On: Localization of the Annular Plane	Instructors	
11:30 AM	11:45 AM	Intuition Workflow for Aortic Root	Michael Winkler, MD, FSCCT, FICA	University of Kentucky
11:45 AM	12:30 PM	Hands On: Aortic Root	Instructors	
12:30 PM	1:30 PM	<b>Catered Lunch</b>		
1:30 PM	1:45 PM	Intuition Workflow for Iliofemoral Arteries	Stephen Hobbs, MD	University of Kentucky
1:45 PM	2:30 PM	Hands On: Iliofemoral Arteries	Instructors	
2:30 PM	2:45 PM	Bicuspid Valve, Valve in Valve, and Other Challenges	Jeff Carr, MD, MSc, FSCCT	Vanderbilt
2:45 PM	3:00 PM	Hands On: Challenging Cases	Instructors	
3:00 PM	3:15 PM	Relationship of Postprocessing Errors to TAVR Complications	Jeff Carr, MD, MSc, FSCCT	Vanderbilt
3:15 PM	4:00 PM	Hands On: Good Post Processing with Bad CT Data	Instructors	
4:00 PM	4:30 PM	<b>Espresso and Pie break: Starbucks Coffee</b>		
4:30 PM	4:45 PM	The TAVR Proceduralist's Wishlist	John Gurley, MD	University of Kentucky
4:45 PM	5:00 PM	Anatomy of the Left Atrial Appendage	Lana Winkler, MD	University of West Virginia
5:00 PM	5:15 PM	Procedures for Left Atrial Appendage Exclusion	John Gurley, MD	University of Kentucky
5:15 PM	6:00 PM	Hands On: Left Atrial Appendage Workflow	Instructors	
8:00 PM		<b>Dinner at Honeywood Restaurant at The Summit at Fritz Farm (extra fee)</b>		

### Sunday, April 22, 2018: Surgical Planning for Congenital Heart Disease

Begin	End	Session Topic	Speaker	Institution
9:00 AM	9:15 AM	Common Procedures, Pediatric and Adult Congenital Structural Heart Disease	Andrew Leventhal, MD	University of Kentucky
9:15 AM	9:30 AM	Surgical Approach to Bicuspid Aortic Valve in the Young Adult, What the Surgeon Needs the Imager to Understand	James Quintessenza, MD	University of Cincinnati/ University of Kentucky/ Cincinnati Children's Hospital
9:30 AM	9:45 AM	Pulmonary Valve	Preeti Ramachandran, MD	University of Kentucky
9:45 AM	10:00 AM	Planning Congenital Heart Disease Interventions I	Vedant Gupta, MD	University of Kentucky
10:00 AM	10:15 AM	Planning Congenital Heart Disease interventions II	Vedant Gupta, MD	University of Kentucky
10:15 AM	10:45 AM	Post Processing Workflow for Congenital Heart Disease	Ryan Moore, MD	Cincinnati Children's Hospital
10:45 AM	11:00 AM	3D Printing for Congenital Heart Disease	Ryan Moore, MD	Cincinnati Children's Hospital
11:00 AM	12:00 PM	Hands On: Congenital Heart Disease	Instructors	
12:00 PM	1:00 PM	<b>Lunch</b>		

1:00 PM	2:00 PM	Hands On: Individualized Instruction Participant's Preference	Instructors	
2:00 PM	2:15 PM	TEVAR Planning	Jeff Carr, MD, MSc, FSCCT	Vanderbilt
2:15 PM	2:30 PM	EVAR Planning	Sangita Kapur, MD	University of Cincinnati
2:30 PM	2:45 PM	Mitral Valve	Amornpol Anuwatworn, MD	
2:45 PM	3:00 PM	Fusion Software	Samual Tyagi, MD	University of Kentucky
3:00 PM	3:15 PM	Simulation and Virtual Reality	Terrence Lewis, MD	University of Toledo
3:15 PM	3:30 PM	Niche Applications for Volume Visualization	Terrence Lewis, MD	University of Toledo
	<b>3:30 PM</b>	<b>End of Course</b>		